

Title (en)

Frequency recovery apparatus and mobile broadcast receiver using the frequency recovery apparatus

Title (de)

Einrichtung zur Frequenzrückgewinnung und mobiler Rundfunkempfänger mit einer solchen Einrichtung

Title (fr)

Dispositif de récupération de fréquence et récepteur de radiodiffusion mobile utilisant ledit dispositif

Publication

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Application

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Priority

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Abstract (en)

A frequency recovery apparatus and a mobile broadcast reception system utilizing the frequency recovery apparatus are disclosed. The frequency recovery apparatus estimates a fractional frequency offset value using I and Q components of a correlation value of a guard interval and compensates for the estimated fractional frequency offset value, such that the problem of ambiguity which may occur in a specific position corresponding to 0.5 times a subcarrier spacing is solved, and the fractional frequency offset can be stably estimated and compensated for.

IPC 8 full level

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